

ABSTRACT OF THE DISCLOSURE

When a compressor apparatus is operated at a maximum displacement for 60 minutes or longer, an ECU controls a pressure control valve to gradually change the refrigerant pressure in a swash plate chamber in a manner that gradually reduces the displacement of the compressor apparatus. In this way, it is possible to create a state, in which a relatively large pressure difference is created between a refrigerant inlet side and the swash plate chamber. Thus, refrigerant oil accumulated in the swash plate chamber can be returned to the refrigerant inlet side of the compressor apparatus at the time of gradually reducing the displacement of the compressor apparatus.